

## **REASONS FOR ALLOWANCE**

Claims 1-3 and 6-37 are allowed.

The following is an examiner's statement of reasons for allowance: The following is an examiner's statement of reasons for allowance: The independent claims distinguish themselves from the prior art by translating, using metadata, the client data access transaction into a server data access transaction for access to the data maintained within at least one of the plurality of server computer systems according to the data access operation specified by the client data access transaction. This process is done by obtaining a virtual data identifier specified in the client data access transaction; matching the virtual data identifier specified in the client data access transaction to a matching forwarding table entry in a forwarding table to identify a corresponding physical data identifier from the matching forwarding table entry; creating the server data access transaction by replacing the virtual data identifier specified in the client data access transaction with the corresponding physical data identifier in the matching forwarding table entry, assigning a server transaction identity to the created server data access transaction, determining if an active transaction table includes an active transaction table entry that corresponds to the client transaction identity, and if not, creating an active transaction table entry including the assigned client transaction identity and an identity of the client computer system from which the client data access transaction was received and storing the server transaction identity in an active transaction table entry that includes the client transaction identity of the

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received client data access transaction in combination with all the elements in the independent claims.

Although prior art system exist that allow the multiple adaptive load balancing of multiple servers, these prior art do not support the translation system using metadata that includes translation data described in the present invention.

The dependents claims are allowed due to their dependence on the independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DJENANE M. BAYARD whose telephone number is (571)272-3878. The examiner can normally be reached on Monday- Friday 5:30 AM- 3:00 PM..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Jr Vaughn can be reached on (571) 272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Djenane M Bayard/  
Examiner, Art Unit 2444